

## 24.0 HAZARDOUS MATERIAL TRANSACTION

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## 24.0 HAZARDOUS MATERIAL TRANSACTION

### 24.1 DESCRIPTION

The Hazardous Material Information Guide Query (MQ) enables users to obtain information on hazardous materials. This database is maintained by Nlets based on information and updates provided by the Department of Transportation (DOT); with few exceptions this database mirrors the DOT Emergency Response Guide.

Although CHEMTREC does not have a direct link in this process, every response from Nlets will direct the user to contact CHEMTREC at (800) 424-9300 if an actual emergency exists. CHEMTREC not only can provide one on one contact, but also may have additional and/or more detailed information on the chemical in question.

See Appendix A, Section 24.0 for XML formats and examples.

See Appendix B, Section 24.0 for Native formats and examples.

### 24.2 INQUIRY MESSAGE KEY

**MQ** Hazardous Material Query

### 24.3 INQUIRY DESTINATION LIMITATIONS

**MQ** All queries directed to the Nlets Hazardous Material Database

### 24.4 DATA ELEMENTS

#### 24.4.1 MQ DATA ELEMENTS

Although all of these elements may be included in the query, each search element may generate a separate query, depending on the capabilities of the state.

Field	MFC
Message key	None
ORI of requesting agency	None
Destination Code-must be NL	None
Fixed field prefix denoting beginning of message	TXT
United Nations Number	UNN/
Chemical Name	NAM/
Railroad STCC Code	STC/
Railcar ID Number	RID/
State	STE/

## 24.4.2 MQ INQUIRY FORMATS

MQ•ORI•NL•TXT UNN/\_\_\_\_\_

OR

MQ•ORI•NL•TXT NAM/\_\_\_\_\_

OR

MQ•ORI•NL•TXT STC/\_\_\_\_\_

OR

MQ•ORI•NL•TXT RID/\_\_\_\_•STE/\_\_\_

 Mandatory fields

 Optional fields

## 24.4.3 INQUIRY BY UNN - EXAMPLE

MQ.NL0000000.NL.TXT UNN/1268

## 24.4.4 INQUIRY BY CHEMICAL NAME - EXAMPLE

MQ.NL0000000.NL.TXT NAM/PETROLEUM DISTILLATE

## 24.4.5 INQUIRY BY RAILROAD STCC CODE - EXAMPLE

MQ.NL0000000.NL.TXT STC/1234567

## 24.4.6 INQUIRY BY RAILCAR ID NUMBER - EXAMPLE

MQ.NL0000000.NL.TXT RID/12345678901234567890.STE/OR

## 24.5 INQUIRY RESPONSES

A response (MR) can include:

- Any or all of the following data elements:
  - chemical name
  - personal safety precautions
  - general handling procedures
  - disposal methods
  - degree of hazard to public health and,
  - availability of countermeasure materials.

## 24.5.1 INQUIRY RESPONSE - EXAMPLE

RESPONSE TO INQUIRY ON HAZMAT UN NUMBER : 1268

CHEMICAL NAME(S)

PETROLEUM DISTILLATE, N.O.S.

THE FOLLOWING INFORMATION IS PROVIDED BY THE NATIONAL LAW ENFORCEMENT TELECOMMUNICATIONS SYSTEM (Nlets) FROM DATA SUPPLIED BY THE U.S. DEPT. OF TRANSPORTATION, 1990 EMERGENCY RESPONSE GUIDE, DOT P 5800.5.

ERG GUIDE NUMBER : 27

\*\*\* \*\*POTENTIAL HAZARDS\*\* \*\*\*

\*\*\* \*FIRE OR EXPLOSION\* \*\*\*

\_FLAMMABLE/COMBUSTIBLE MATERIAL; MAY BE IGNITED BY HEAT, SPARKS OR FLAMES. VAPORS MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINER MAY EXPLODE IN HEAT OF FIRE. VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS. RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

\*\*\* \*HEALTH HAZARDS\* \*\*\*

MAY BE POISONOUS IF INHALED OR ABSORBED THROUGH SKIN. VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION. CONTACT MAY IRRITATE OR BURN SKIN AND EYES. FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.

\*\*\* \*\*EMERGENCY ACTION\*\* \*\*\*

KEEP UNNECESSARY PEOPLE AWAY; ISOLATE HAZARD AREA AND DENY ENTRY. STAY UPWIND; KEEP OUT OF LOW AREAS.

POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND STRUCTURAL FIREFIGHTERS' PROTECTIVE CLOTHING WILL PROVIDE LIMITED PROTECTION.

\*ISOLATE FOR 1/2 MILE IN ALL DIRECTIONS IF TANK, RAIL CAR OR TANK TRUCK IS INVOLVED IN FIRE.\*

\*CALL CHEMTREC AT 1-800-424-9300\* FOR EMERGENCY ASSISTANCE.

IF WATER POLLUTION OCCURS, NOTIFY THE APPROPRIATE AUTHORITIES.

\*\*\* \*FIRE\* \*\*\*

\*SMALL FIRES:\* DRY CHEMICAL, CO<sub>2</sub>, WATER SPRAY OR REGULAR FOAM.

\*LARGE FIRES:\* WATER SPRAY, FOG OR REGULAR FOAM.

MOVE CONTAINER FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK.

APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS.

FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR MONITOR NOZZLES; IF THIS IS IMPOSSIBLE, WITHDRAW FROM AREA AND LET FIRE BURN.

WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF TANK DUE TO FIRE.

\*\*\* \*SPILL OR LEAK\* \*\*\*

SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING OR FLAMES IN HAZARD AREA.

STOP LEAK IF YOU CAN DO IT WITHOUT RISK.

WATER SPRAY MAY REDUCE VAPOR; BUT IT MAY NOT PREVENT IGNITION IN CLOSED\_ SPACES.

\*SMALL SPILLS:\* TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL.

\*LARGE SPILLS:\* DIKE FAR AHEAD OF LIQUID SPILL FOR LATER DISPOSAL.

\*\*\* \*FIRST AID\* \*\*\*

MOVE VICTIM TO FRESH AIR AND CALL EMERGENCY MEDICAL CARE; IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION; IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES. WASH SKIN WITH SOAP AND WATER.

## 24.6 MESSAGE FIELD CODE (MFC) DIRECTORY

Each message transaction is comprised of multiple data elements; this section provides the necessary information on data elements for this transaction. Each data element is identified by a specific field name. Each field name is abbreviated with a unique three-character code called a message field code (MFC). The MFC's are sorted alphabetically, then followed by a plain-word description of each. The number immediately following the description indicates the maximum number of characters allowed for that data element. Below the description line is text describing specific requirements for this field.

### 24.6.1 **NAM** CHEMICAL NAME - **50**

#### **CONDITIONAL**

Alpha only; Actual name of chemical in question.

- Mandatory in query by UNN.
- Not allowed in any other transactions

### 24.6.2 **RID** RAIL CAR ID NUMBER - **20**

#### **CONDITIONAL**

Numeric only; Identification number of the railcar in question.

- Mandatory in query by RID.
- Not allowed in any other transactions

### 24.6.3 **STC** RAILROAD STC NUMBER - **50**

#### **CONDITIONAL**

Numeric; Concealed.

- Mandatory in query by STC.
- Not allowed in any other transactions

### 24.6.4 **STE** STATE CODE - **2**

#### **CONDITIONAL**

Alpha only. Two character state code. Can be used to help limit responses

- Optional in query by RID.
- Not allowed in any other transactions

#### 24.6.5 UNN UNITED NATIONS NUMBER - 4

##### CONDITIONAL

Numeric only: This number, normally found on a placard on a vehicle transporting the hazardous material, will identify the hazardous material therein, **provided the operator of such vessel has not miss marked the contents.**

- Mandatory in query by UNN.
- Not allowed in any other transactions